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NO. CONFIRMATION NO.		
560 B 5997		
EXAMINER		
KRISHNAMURTHY, RAMESH		
PAPER NUMBER		
<u> </u>		
1		

DATE MAILED: 10/11/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

				6	
	Appl	lication No.	Applicant(s)		
		549,245	HART ET AL.		
Office Action Summary	Exar	miner	Art Unit		
		esh Krishnamurthy	3753		
The MAILING DATE of this comm	nunication appears o	on the cover sheet w	ith the correspondence address		
A SHORTENED STATUTORY PERIOR WHICHEVER IS LONGER, FROM TH - Extensions of time may be available under the provisafter SIX (6) MONTHS from the mailing date of this of the No period for reply is specified above, the maximuter of the second support of the second sup	E MAILING DATE C sions of 37 CFR 1.136(a). In communication. Im statutory period will apply reply will, by statute, cause to this after the mailing date of	OF THIS COMMUNION no event, however, may a read will expire SIX (6) MON the application to become Al	CATION. reply be timely filed NTHS from the mailing date of this communi BANDONED (35 U.S.C. § 133).	,	
Status					
1) Responsive to communication(s)	filed on <u>19 Januar</u> ,	<u>/ 2006</u> .			
2a) ☐ This action is FINAL.	☐ This action is FINAL . 2b) ☐ This action is non-final.				
3) Since this application is in condit		,	,	its is	
closed in accordance with the pr	actice under <i>Ex pan</i>	te Quayle, 1935 C.E). 11, 453 O.G. 213.		
Disposition of Claims					
4) \boxtimes Claim(s) $1 - 21$ is/are pending in	the application.				
4a) Of the above claim(s)		m consideration.			
5) Claim(s) is/are allowed.					
6)⊠ Claim(s) <u>1 - 21</u> is/are rejected.					
7) Claim(s) is/are objected to					
8) Claim(s) are subject to re	striction and/or elec	tion requirement.			
Application Papers					
9)☐ The specification is objected to b	y the Examiner.				
10)⊠ The drawing(s) filed on <u>12 Septe</u>	<i>mber 2005</i> is/are: a	ı)⊠ accepted or b)[objected to by the Examiner	•	
Applicant may not request that any	objection to the drawin	ng(s) be held in abeya	nce. See 37 CFR 1.85(a).		
Replacement drawing sheet(s) inclu	=				
11)☐ The oath or declaration is objected	ed to by the Examine	er. Note the attache	d Office Action or form PTO-15	52.	
Priority under 35 U.S.C. § 119			•		
12)⊠ Acknowledgment is made of a cla a)⊠ All b)⊡ Some * c)⊡ None o		ity under 35 U.S.C.	§ 119(a)-(d) or (f).		
1. Certified copies of the price	ority documents have	e been received.			
2. Certified copies of the price	ority documents have	e been received in A	Application No		
3. Copies of the certified cop	ies of the priority do	ocuments have beer	received in this National Stag	е	
application from the Intern	•				
* See the attached detailed Office a	iction for a list of the	e certified copies not	received.		
Attachment(s)					
1) Notice of References Cited (PTO-892)	· ···· (DTO 048)		Summary (PTO-413) (s)/Mail Date		
 2) Notice of Draftsperson's Patent Drawing Revie 3) Information Disclosure Statement(s) (PTO/SB 		5) D Notice of	Informal Patent Application		
Paper No(s)/Mail Date		6) Other:			

This office action is responsive to communications filed 01/19/2006.

Claims 1 – 21 are pending.

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2. Claims 1, 2, 5, 6, 10 – 12 and 14 – 21 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 1 recites the limitation "the at least one flow opening" in line 7. There is insufficient antecedent basis for this limitation in the claim.

Claim 6 recites the limitation "the at least one control lip" in line 2. There is insufficient antecedent basis for this limitation in the claim.

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 4. Claims 1-5, 7, 8-15 and 18-21 are rejected under 35 U.S.C. 102(b) as being anticipated by DE 11 54 982 B.

The document DE 11 54 982 discloses an insertion part (Figs. 1 – 10) that can be embodied as a flow regulator / backflow preventer, that can be used in a fluid line, the insertion part comprising a housing (7, 8), a displaceable sealing body arranged in the interior of the housing which can seal a flow opening (21) of a feeder channel in a closed position, the insertion part being provided with an annular lip shaped part (1)

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having an annular body (1') held inside the housing, and which in an area of the at least one flow opening has at least one sealing lip (4) as the sealing body that can be displaced by the fluid, with a free lip end region (5) that contact an opposing housing surface (14) in a sealing manner in the closed position. A housing core (13) is provided inside the housing. The sealing lip (5) is indeed downstream of the control lip (4).

Regarding claim 3, it is noted that part (4) of the sealing body (1) is regarded as the control lip that serves as the throttle body or control body. Regarding claims 7 and 8, figure 5 discloses grooves or moldings that are provided on the housing wall adjacent the free lip ends (5) of the control lip (4) with the grooves or moldings embodied as flow channels open in direction of a circumference of the housing core (13). Figure 4 shows the grooves (18) to be even spaced and are configured in rounded shapes similar to that of ellipsoid or arc or polygon shaped grooves. The reaction pressure and reaction behavior of the sealing lip are indeed predetermined by the length, thickness and /or material characteristics of the lip shaped part (1). The housing is indeed comprised of two parts (7, 8). A radial connecting bar (12) is disclosed that connects the core (13) to the upstream part (8) of the housing.

- 5. Claims 6, 16 and 17 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.
- 6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Art Unit: 3753

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ramesh Krishnamurthy whose telephone number is (571) 272 - 4914. The examiner can normally be reached on Monday - Friday from 10:00 AM to 6:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eric Keasel, can be reached on (571) 272 - 4929. The fax phone number for the organization where this application or proceeding is assigned is (571) 273 -8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Ramesh Krishnamurthy, Ph.D., PE

Primary Examiner

Art Unit 3753